## What is claimed is:

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- 1. A driving circuit configured in a three-phase inverter, comprising:
  - a first switch assembly including a first high-side switch connected between an input voltage and a first node, and a first low-side switch connected between said first node and a reference voltage;
    - a second switch assembly including a second high-side switch connected between said input voltage and a second node, and a second low-side switch connected between said second node and said reference voltage;
    - a third switch assembly including a third high-side switch connected between said input voltage and a third node, and a third low-side switch connected between said third node and said reference voltage; and
    - a three-phase transformer having a primary side with three terminals connected with said first, second and third nodes, respectively, and a secondary side with three terminals connected with a first, second and third loadings, respectively;
    - wherein said switches are switched for generating a first AC voltage between said first and second nodes, a

second AC voltage between said second and third nodes, and a third AC voltage between said third and first nodes, respectively, so as to be transformed by said three-phase transformer to generate a first AC current for said first loading, a second AC current for said second loading, and a third AC current for said third loading, respectively.

- 2. The driving circuit according to claim 1, wherein said three-phase transformer comprises two transformers
  - 3. The driving circuit according to claim 1, wherein said three-phase transformer comprises three transformers connected in Y-Y configuration.
    - 4. The driving circuit according to claim 1, wherein said three-phase transformer comprises three transformers connected in  $\Delta$ - $\Delta$  configuration.

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connected in series.

- 5. The driving circuit according to claim 1, wherein said three AC voltages have a phase difference of 120 degrees between each two of them.
- 25 6. The driving circuit according to claim 1, wherein

said three AC currents have a phase difference of 120 degrees between each two of them.

7. The driving circuit according to claim 1, wherein said switches each is connected with a diode in parallel.

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- 8. The driving circuit according to claim 1, wherein said switches each comprises an NMOS transistor.
- 9. The driving circuit according to claim 1, wherein said input voltage is a DC voltage.
- 10. The driving circuit according to claim 1, wherein said three loadings each includes at least one cold cathode15 fluorescent lamp.
  - 11. A driving method comprising the steps of:
  - connecting a first switch assembly including a first high-side and low-side switches connected in series between an input voltage and a reference voltage;
  - connecting a second switch assembly including a second high-side and low-side switches connected in series between said input voltage and reference voltage;
  - connecting a third switch assembly including a third high-side and low-side switches connected in series

between said input voltage and reference voltage;					
said	high-side	and	low-side	switches	for
generating three AC voltages; and					
ng sai	d three AC	volta	ges to thre	e AC curre	ents
	said ating	said high-side ating three AC vo	said high-side and ating three AC voltages	said high-side and low-side ating three AC voltages; and	said high-side and low-side switches

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12. The method according to claim 11, further comprising modulating said three AC voltages to have a phase difference of 120 degrees between each two of them.

each for one of three loadings.

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13. The method according to claim 11, further comprising modulating said three AC currents to have a phase difference of 120 degrees between each two of them.

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14. The method according to claim 11, further comprising driving at least one cold cathode fluorescent lamp by each of said three AC currents.

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15. A driving method comprising the steps of: generating a three-phase AC voltage by a three-phase inverter;

transforming said three-phase AC voltage to a three-phase AC current by a three-phase transformer; and

driving at least three cold cathode fluorescent lamp each

by one phase of said three-phase AC current.

- 16. The method according to claim 15, further comprising modulating said three-phase voltage to have a phase difference of 120 degrees between each two phases thereof.
- 17. The method according to claim 15, further comprising modulating said three-phase current to have a phase difference of 120 degrees between each two phases thereof.

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